Evaluate

1) $\int \sin^4(x)dx =$

2) $\int \sin^5(x)dx =$

3) $\int \sin^2(x)\cos^3(x)dx =$

4) $\int \sqrt{25 + x^2}\, dx =$

5) $\int \dfrac{7}{(x-2)(x+5)}\, dx$

6) $\int \dfrac{x+3}{x^2 - 3x + 2}\, dx$